Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Mon, 20 April 2015

**Geometry**

**CW / HW**



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| 1) A hotel convention hall is made by attaching four-equal sized square meeting rooms around the edge of a large square conference room. The large room has an area of 144ft2 and each small room has as area of 49ft2. What is the perimeter of the convention hall? | 2) At each vertex of the figure below, the sides meet each other at right angles. The lengths of the sides are measured in centimeters and their lengths are shown on the figure. Find the perimeter & area of the figure.  http://www.cimt.plymouth.ac.uk/projects/mepres/book7/bk7i9/s4q2f.gif |
| 3) Find the volume of the solid by determining how many unit cubes are contained in the solid. | 4) Find the volume of the right cylinder. Round your answer to two decimal places, if necessary. |
| 5) Find the volume of right cylinder. Round your answer to two decimal places. | 6) Find the volume of rectangular prism. Round your answer to two decimal places. |
| 7) Find the volume of the solid by determining how many unit cubes are contained in the solid. | 8) Find the volume of rectangular prism. Round your answer to two decimal places. |
| 9) Find the surface area of the solid. Round your answer to two decimal places. | 10) Find the surface area of the solid. Round your answer to two decimal places. |

**Review Problems:**

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| 1. The Smith family has 100 gallons of heating fuel on January 1. During January, the Smiths use 20% of their fuel, and in February they use 25% of the remaining fuel. How many gallons of fuel are left on March 1?    1. 40    2. 45    3. 50    4. 55    5. 6 | 1. If 40% of a given number is 8, then what is 15% of the given number. 2. 1.2 3. 1.8 4. 3.0 5. 5.0 6. 6.5 |
| 1. Include a drawing & both formulas. | 1. What trig function could be used to solve for x? Show work to demonstrate your answer. |